Project Narrative

Canaan Land FWB Church

2777 Gantz Road

Grove City, Ohio 43123

January 31, 2016

Canaan Land FWB Church is enjoying an increase in attendance that requires more seating, additional circulation space for greater numbers of attendees, and additional parking.

The proposed project consists of a 13,746 square feet addition to the existing church building. Addition will add a Sanctuary for 775 people, Toilet Rooms, Lobbies, Commons, Multiple use space, and one (1) Office. Building will be constructed using a pre-engineered metal frame with brick and stone facing the public streets and metal roofing, and siding to match existing structures on the site. Additional parking will be added to accommodate the increase in attendance. Utilities will be increased to accommodate the added population, including a new sanitary sewer service and a fire hydrant and fire line. Landscaping as required.

PAGE	DEVELOPMENT PLAN INDEX
	COVER SHEET
	SITE PLAN
	GRADING & STORMWATER PLAN
	GRADING & STORMWATER DETAILS
	LANDSCAPE PLAN
	UTILITY PLAN
	PHOTOMETRIC PLAN
	DEMOLITION PLAN
	SITE DETAILS

4035 BROADWAY

**GROVE CITY, OHIO 43123** 

AMERICAN ELECTRIC POWER

COLUMBIA GAS OF OHIO-COLUMBUS

NORTHEAST OHO NATURAL GAS 5640 LANCASTER-NEWARK RD NE PLEASANTVILLE, OHIO 43148

850 TECH CENTER DRIVE GAHANNA, OH 43230-6605

939 W. GOODALE BLVD COLUMBUS, OHIO 43212

111 N. FOURTH STREET

COLUMBUS, OHIO 43215

AT&T OHIO

**ROOM 802** 

TIME WARNER

1266 DUBLIN ROAD COLUMBUS, OHIO 43215

# SITE ENGINEERING **FOR** CANAAN LAND CHURCH 2777 GANTZ ROAD GROVE CITY, OHIO



# RECEIVED APR 26 2016 66 PLANNING COMMISSION

GROVE CITY APPROVALS  "CITY OF GROVE CITY" SIGNATURES ON THIS PLAN SIGNIFY ONL	Y CONCURRENCE WITH THE
PURPOSE AND GENERAL LOCATION OF THE PROJECT. ALL TECH RESPONSIBILITY OF THE ENGINEER PREPARING THE PLANS.	
LOI ONOIDIENT OF THE ENGINEERY REPARTS	
	DATE
CITY ADMINISTRATOR	DATE
SERVICE DIRECTOR	DATE
REVIEW FOR THE CITY OF GROVE CITY	DATE
	5.75
FIRE DEPARTMENT JACKSON TOWNSHIP	DATE

**INDEX MAP** 

THE STANDARD CONSTRUCTION DRAWINGS LISTED ON THESE PLANS SHALL BE CONSIDERED A PART THEREOF:

## CITY OF GROVE CITY

## STANDARD DRAWINGS

STAN	NDARD DRAW	INGS	
C-GC-1	C-GC-30	C-GC-75A	
C-GC-4	C-GC-31	C-GC-76A	
C-GC-17	C-GC-32	C-GC-77	
C-GC-19	C-GC-37	C-GC-81	
C-GC-22	C-GC-72A		
C-GC-24	C-GC-73		
C-GC-26	C-GC-74		

CITY ADMINISTRATOR	DATE
SERVICE DIRECTOR	DATE
REVIEW FOR THE CITY OF GROVE CITY	DATE
FIRE DEPARTMENT JACKSON TOWNSHIP	DATE



PREPARED BY:

ENVIRONMENTAL, ENGINEERING & SCIENCE

PROPOERTY LINE OF SUBJECT PROPERTY AND 200'S. OF THE NORTH PROPERTY LINE, JUST NORTH OF THE CHURCH ON THE WEST SIDE OF THE PARKING LOT AT THE SOUTHEAST CORNER OF A COVERED SHELTER. ELEV. 784.43 (NGVD29)

CHISELED BOX SET IN THE TOP OF A CONCRETE LIGHT POLE BASE, APPROX. 100' E. OF THE E.

746.89 (NAVD88)

M 310 UNITED STATES COASTAL AND GEODETIC BENCHMARK, A BRASS DISK STAMPED "M 310 1967" FOUND AT THE SOUTHWESTERLY CORNER OF THE INTERSECTION OF SOUTH HIGH STREET AND HOSACK STREET, 23 FEET SOUTH OF THE EXTENDED CENTERLINE OF HOSACK

STREET, 18-1/2 FEET WEST OF THE WEST CURB OF SOUTH HIGH STREET.

(614) 277-1100

1-800-277-2177

COLLEEN BRINSON

(614) 223-7677

(614) 481-5000

ELEV. 747.49 (NGVD29)

**BENCHMARK 2** 

**BENCHMARK 1** 

**UTILITIES:** 

STORM AND STREET

LIGHTING FACILITIES

9. UTILITY CONTACTS:

**ELECTRIC** 

TELEPHONE:

**BENCHMARKS:** 

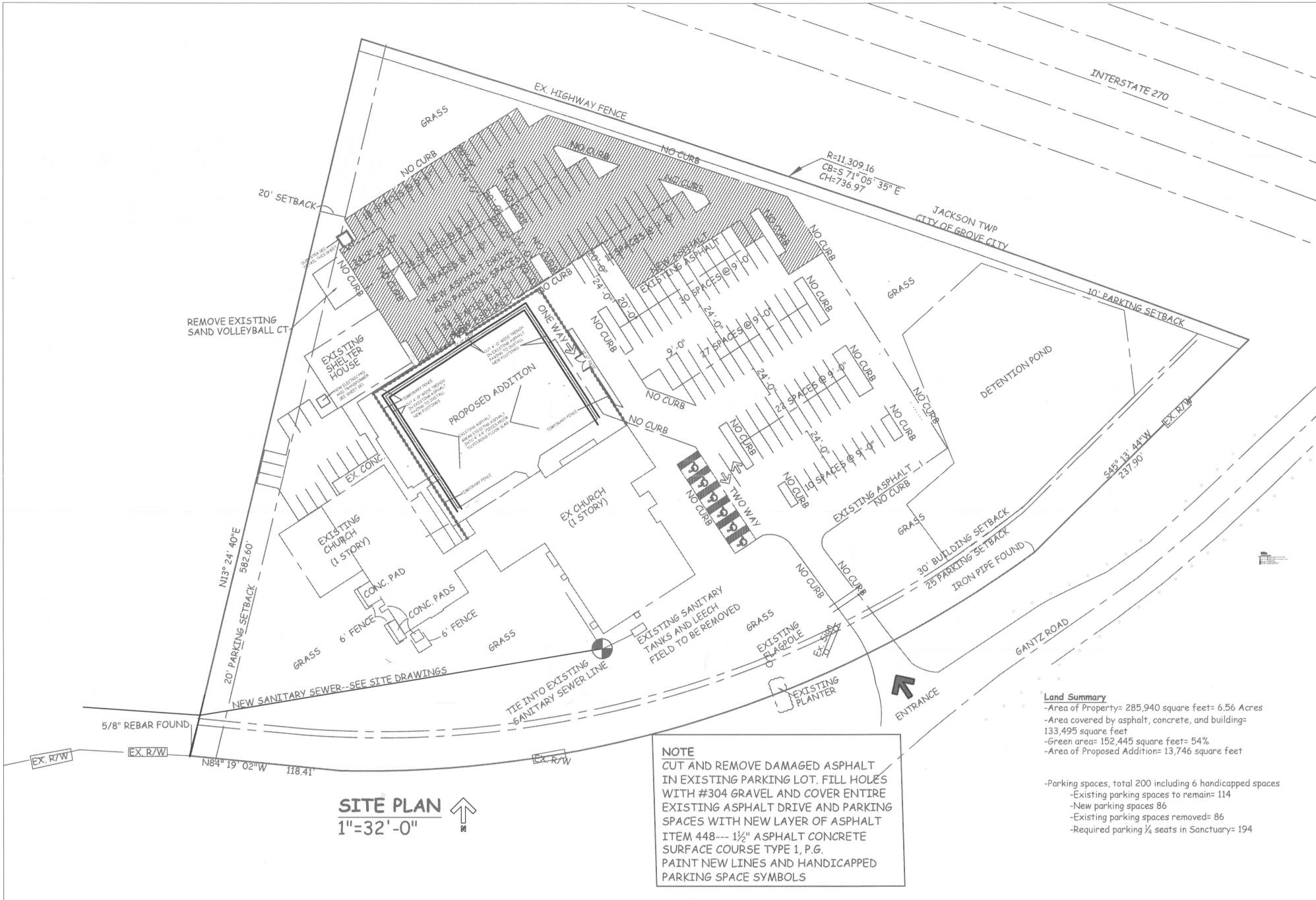
REFERENCE BENCHMARK

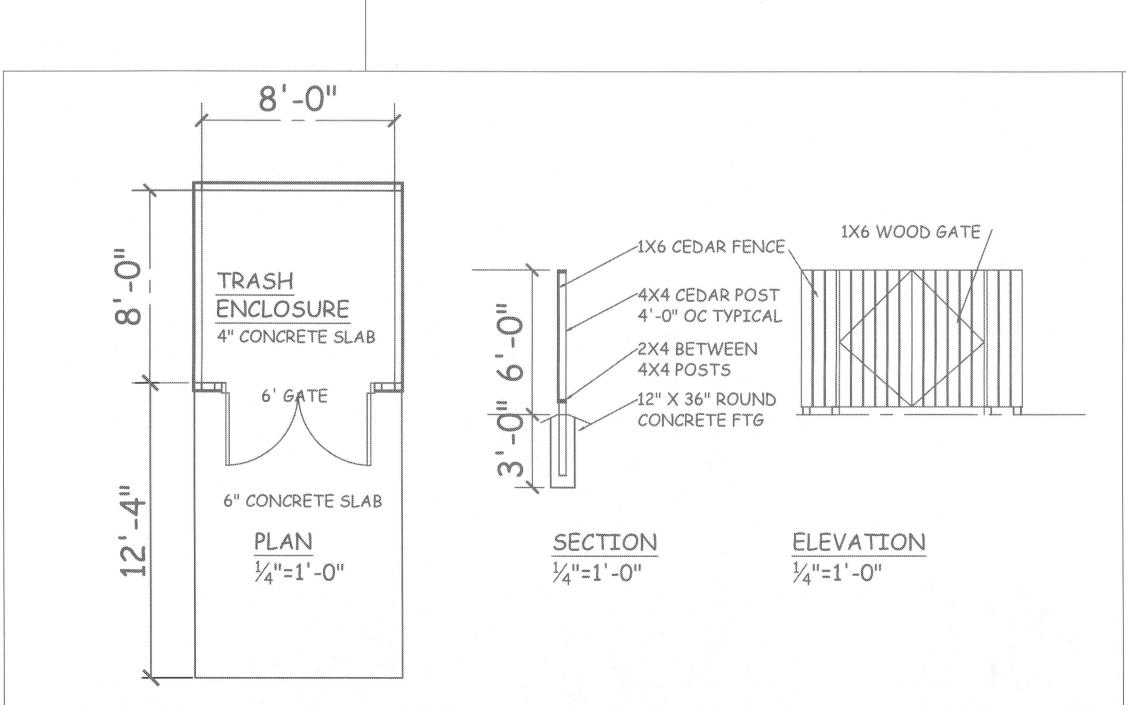
CABLE:

GAS:

RAILROAD SPIKE FOUND AT IN THE SOUTH SIDE OF A UTILITY POLE NEAR THE SOUTWEST PROPERTY CORNER.

ELEV. 759.29 (NGVD29)





SITE LOCATION MAP

# 1(2(3)(4)(5)

# PAVEMENT SECTION

- 1 ITEM 448--- 1½" ASPHALT CONCRETE SURFACE COURSE TYPE 1, P.G. 64-22
- 2 ITEM 448--- 1½" ASPHALT CONCRETE INTERMEDIATE COURSE TYPE 2, P.B. 64-22
- 3 ITEM 304--- 6" AGGREGATE BASE
- 4 ITEM 407--- TACK COAT (0.10 GAL/SQ. YD.)
- 5 ITEM 204--- SUBGRADE COMPACTION

## THE COVENANT GROUP

37 LOUELLA DRIVE HEBRON, OH

NAAN LAND FWB CHURG

ROAD

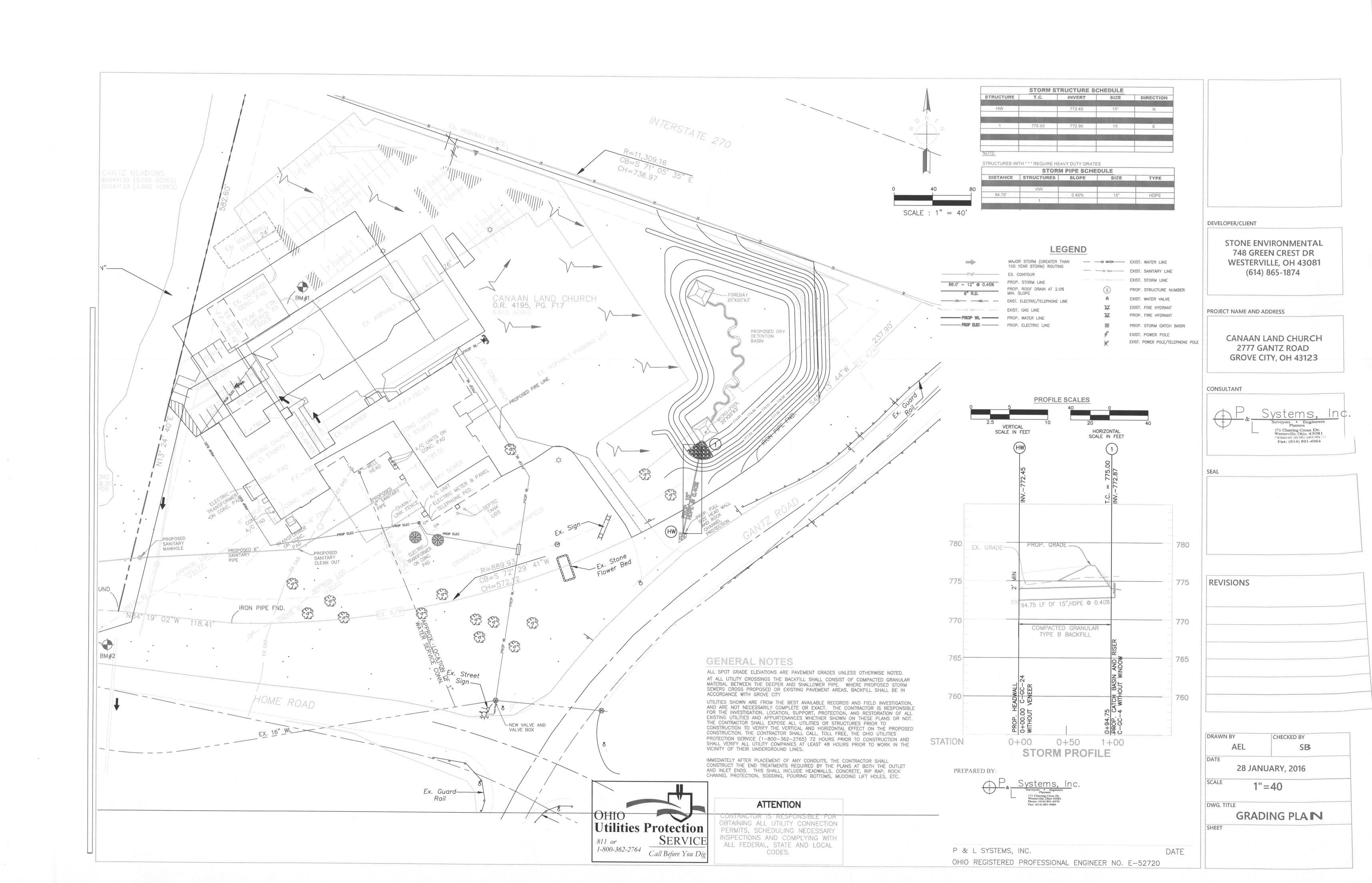
GANTZ

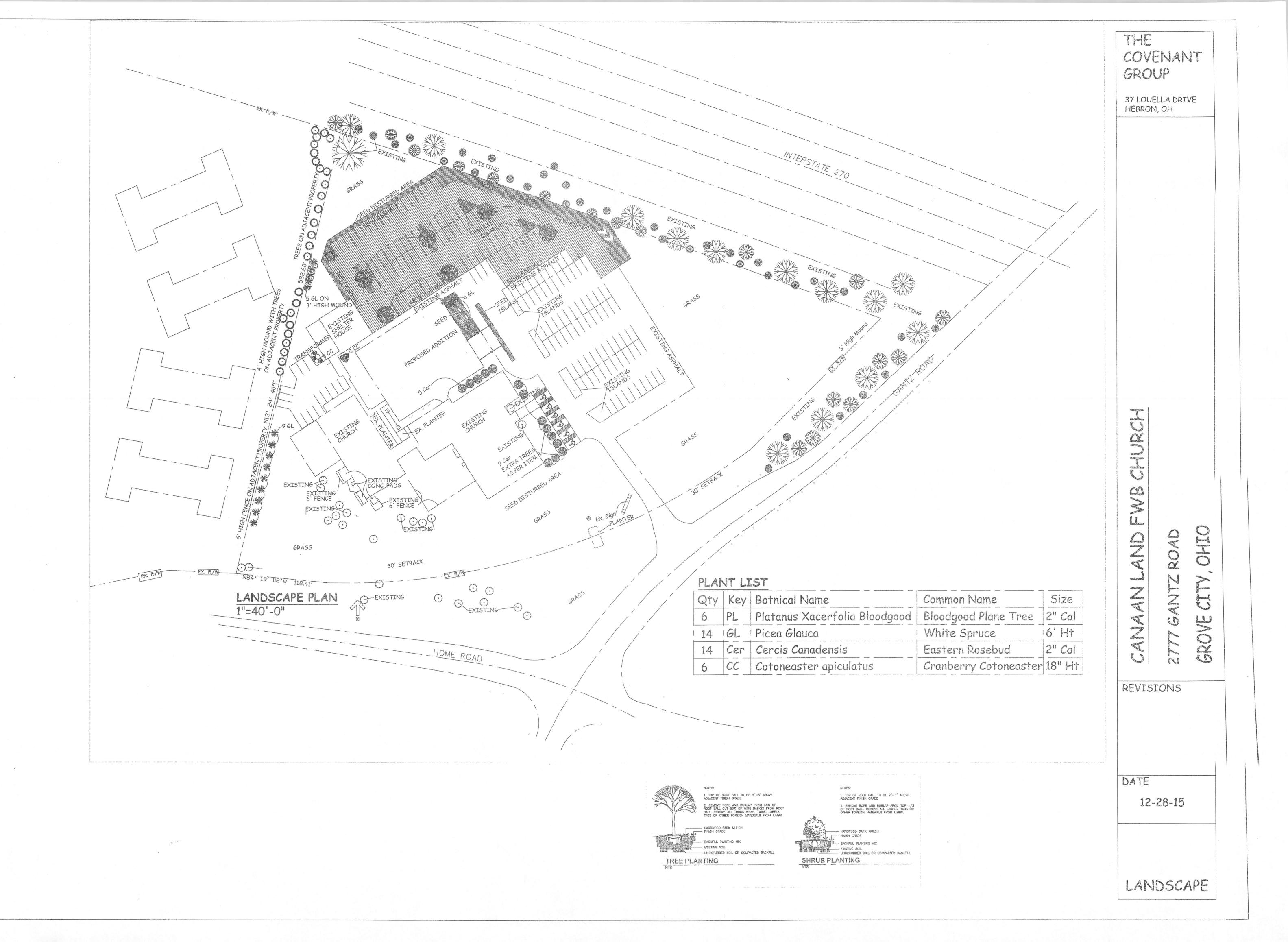
REVISIONS

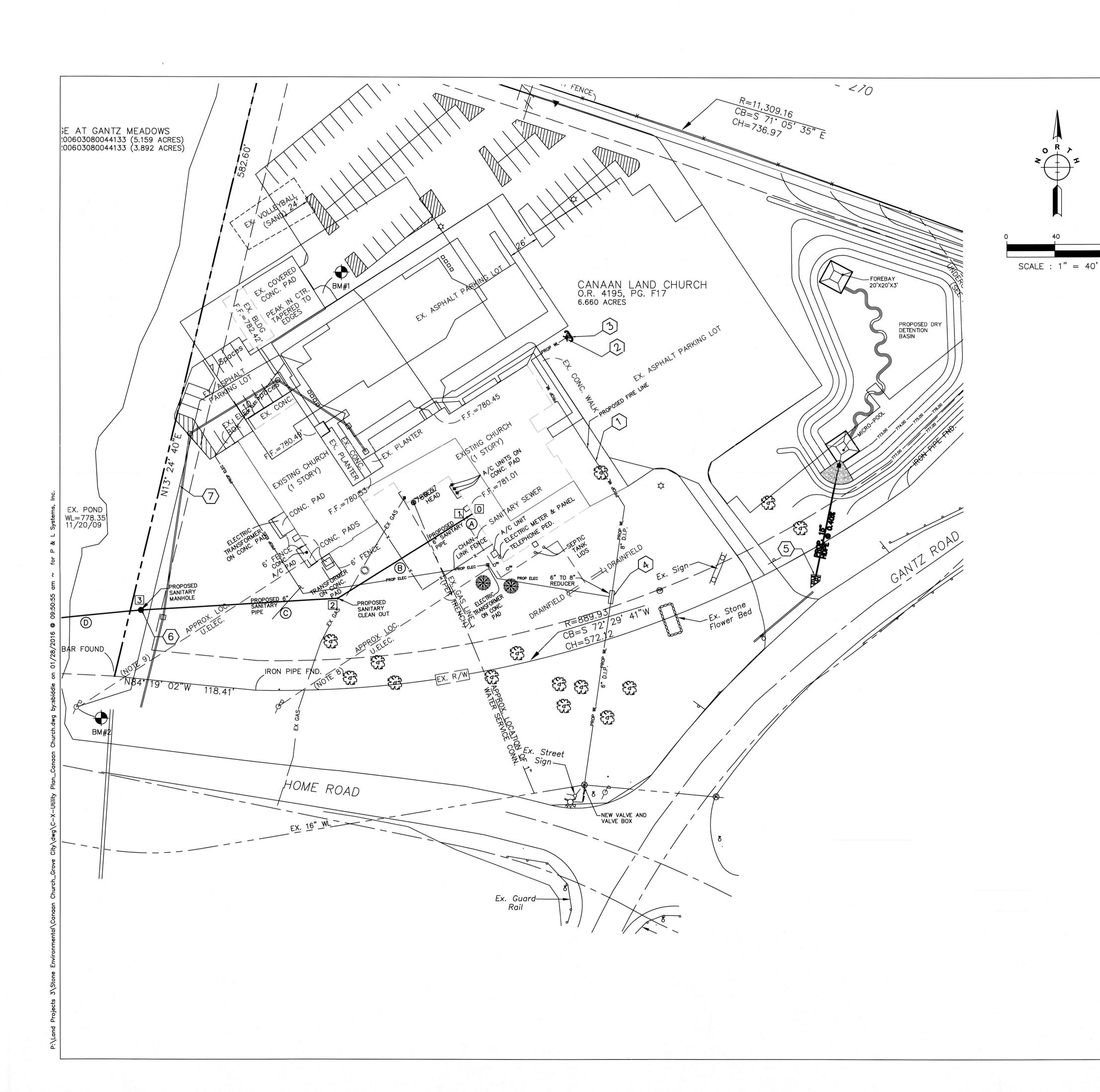
DATE

12-28-15

SITE







## **KEYED NOTES**

1 PROPOSED WATER LINE

- PROVIDE PROPOSED PRIVATE FIRE HYDRANT AS PER GROVE CITY STANDARD C-GC-31
- PROVIDE PROPOSED PRIVATE FIRE HYDRANT PROTECTION AS PER GROVE CITY STANDARD C-GC-32
- PROPOSED HOT BOX FOR FIRE SERVICE LINE, MODEL HB6E
- 5 PROPOSED HEAD WALL AS PER GROVE CITY STANDARDS C-GC-24 WITHOUT STONE VENEER
- 6 PROPOSED PRECAST MAN HOLE AS PER GROVE CITY STANDARDS C-GC-3
- $\overline{7}$  PROPOSED IT LINE, (1) 4" CONDUIT

## **UTILITY NOTES**

- 1) THE CONTRACTOR SHALL PROVIDE MINIMUM CLEARANCES OF 1.0'
  VERTICAL AND 3.0' HORIZONTALLY BETWEEN ALL UNDERGROUND UTILITIES.
  NO UTILITY FACILITY SHALL BE INSTALLED WITH LESS THAN THESE
  MINIMUM CLEARANCES WITHOUT THE WRITTEN APPROVAL OF THE OWNERS
  OF THE OTHER FACILITIES INVOLVED. THE CONTRACTOR SHALL EXPOSE
  ALL UTILITIES OR STRUCTURES PRIOR TO CONSTRUCTION TO VERIFY THE
  VERTICAL AND HORIZONTAL CLEARANCES WITH PROPOSED
  CONSTRUCTION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE
  PRICE BID FOR VARIOUS ITEMS. THE FLOW OF ALL SEWERS, DRAINS AND
  WATER COURSES ENCOUNTERED AND DISTURBED OR DESTROYED DURING
  THE PROSECUTION OF THE WORK SHALL BE RESTORED BY THE
  CONTRACTOR TO A SATISFACTORY CONDITION. PAYMENT FOR THIS ITEM
  SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED
- 2) THE CONTRACTOR SHALL RESTORE OFF-SITE CONSTRUCTION AREAS TO EQUAL OR BETTER CONDITION THAN EXISTED PRIOR TO COMMENCEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING ALL EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
- 4) THE CONTRACTOR SHALL IMMEDIATELY NOTIFY STONE ENVIRONMENTAL, INC. OF ANY DISCREPANCIES FOUND BETWEEN THE PLANS OR FIELD CONDITIONS PRIOR TO START OF CONSTRUCTION.
- 5) FOR SITE CONSTRUCTION DETAILS, SEE SHEETS XX.
- 6) PROPOSED FIRE HYDRANT ONLY WATER LINE TO BE CONSTRUCTION UPON THE COMPLETION OF SANITARY SEPTIC TANK & LEECH FIELD DEMOLITION.

## SANITARY PIPE SCHEDULE

- A 5.00 L.F. OF X" SANITARY SEWER AT 2.06% SLOPE.
- B 127.64 L.F. OF X" SANITARY SEWER AT 2.06% SLOPE.
- C 164.60 L.F. OF X" SANITARY SEWER AT 2.06% SLOPE.
- D XXX.XX L.F. OF X" SANITARY SEWER AT X.XX% SLOPE.

## SANITARY INVERT SCHEDULE

- O INVERT = 777.01 AT BUILDING INVERT
- 1 INVERT = 776.91 AT CLEAN OUT
- 2 INVERT = 774.28 AT CLEAN OUT
- 3 INVERT = 770.89 AT MANHOLE4 INVERT = XXX.XX AT DESIGNED MANHOLE



## ATTENTION

CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL UTILITY CONNECTION PERMITS, SCHEDULING NECESSARY INSPECTIONS AND COMPLYING WITH ALL FEDERAL, STATE AND LOCAL CODES.

CLIENT LOGO

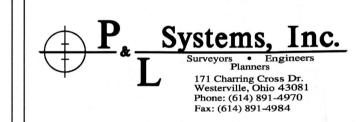
DEVELOPER/CLIENT

STONE ENVIRONMENTAL 748 GREEN CREST DR WESTERVILLE, OH 43081 (614) 865-1874

PROJECT NAME AND ADDRESS

CANAAN LAND CHURCH 2777 GANTZ ROAD GROVE CITY, OH 43123

CONSULTANT



SEAL		
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<b>REVISIONS</b>			

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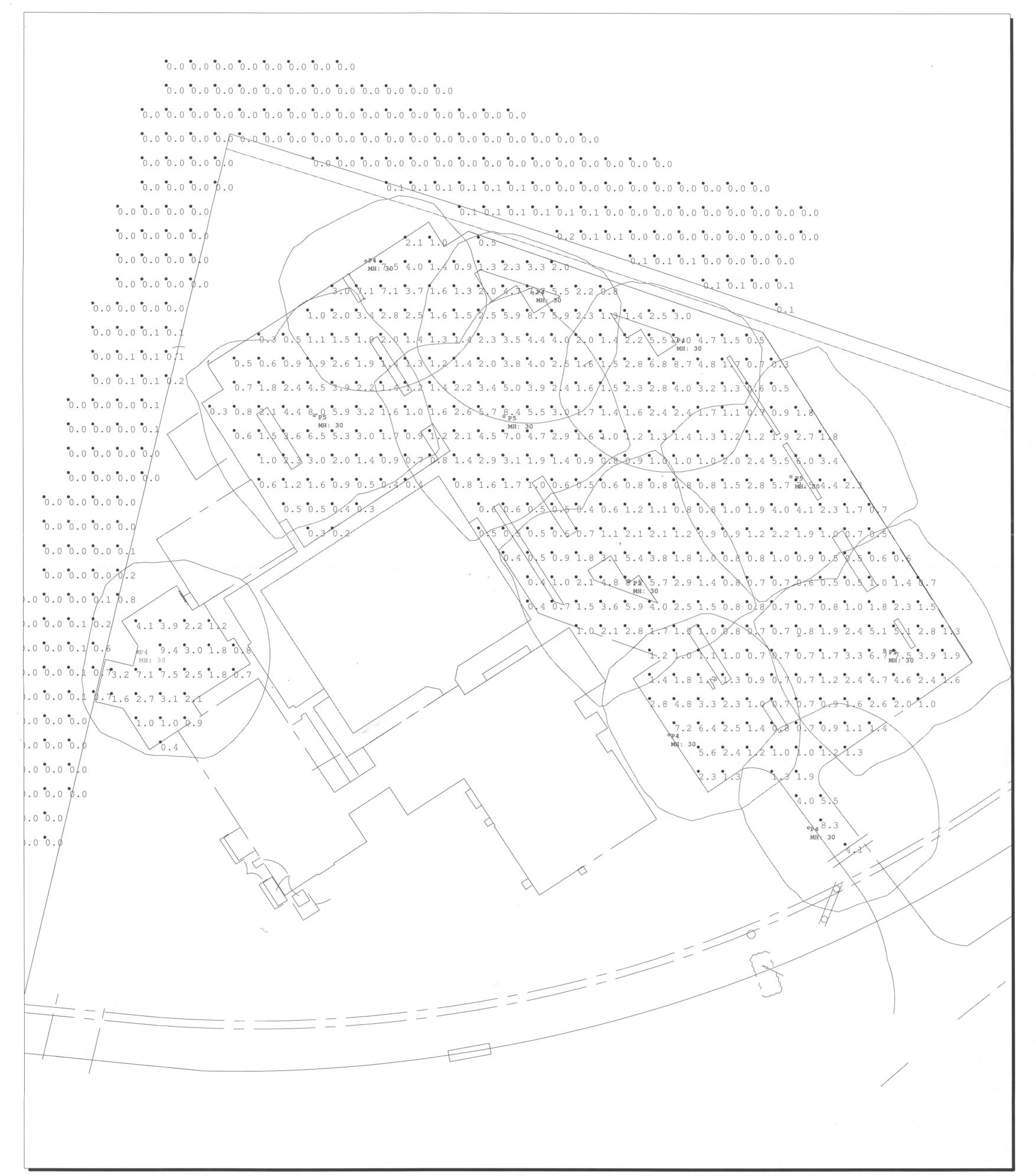
28 JANUARY, 2016

1"=40'

DWG. TITLE

UTILITY PLAN

SHEET



Luminaire	Schedule					-
Symbol	Qty	Label	Arrangement	Lumens/Lamp	Description	LLF
$\odot$	6	P4	SINGLE	40000	Sun Valley-RSB25-IV-400PSMH	0.850
$\overline{}$	5	P5	SINGLE	40000	Sun Valley-RSB25-V-SQ-400PSMH	0.850

Calculation Summar							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Behind Church	Illuminance	FC	2.82	9.4	0.4	7.05	23.50
Parking Lot	Illuminance	FC	2.17	8.7	0.2	10.85	43.50
Spill Line	Illuminance	FC	0.03	0.8	0.0	N.A.	N.A.

#### Notes:

- 1. Calc Grid is set at 0'.
- 2. Fixture is mounted at 30'
- 3. Scale is 1''=35' if printed at 24x36
- 4. House Side Shield will need to be

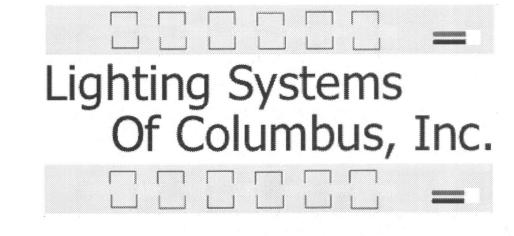
added to fixture on the beyond building



# Canaan - PL 4/19/16

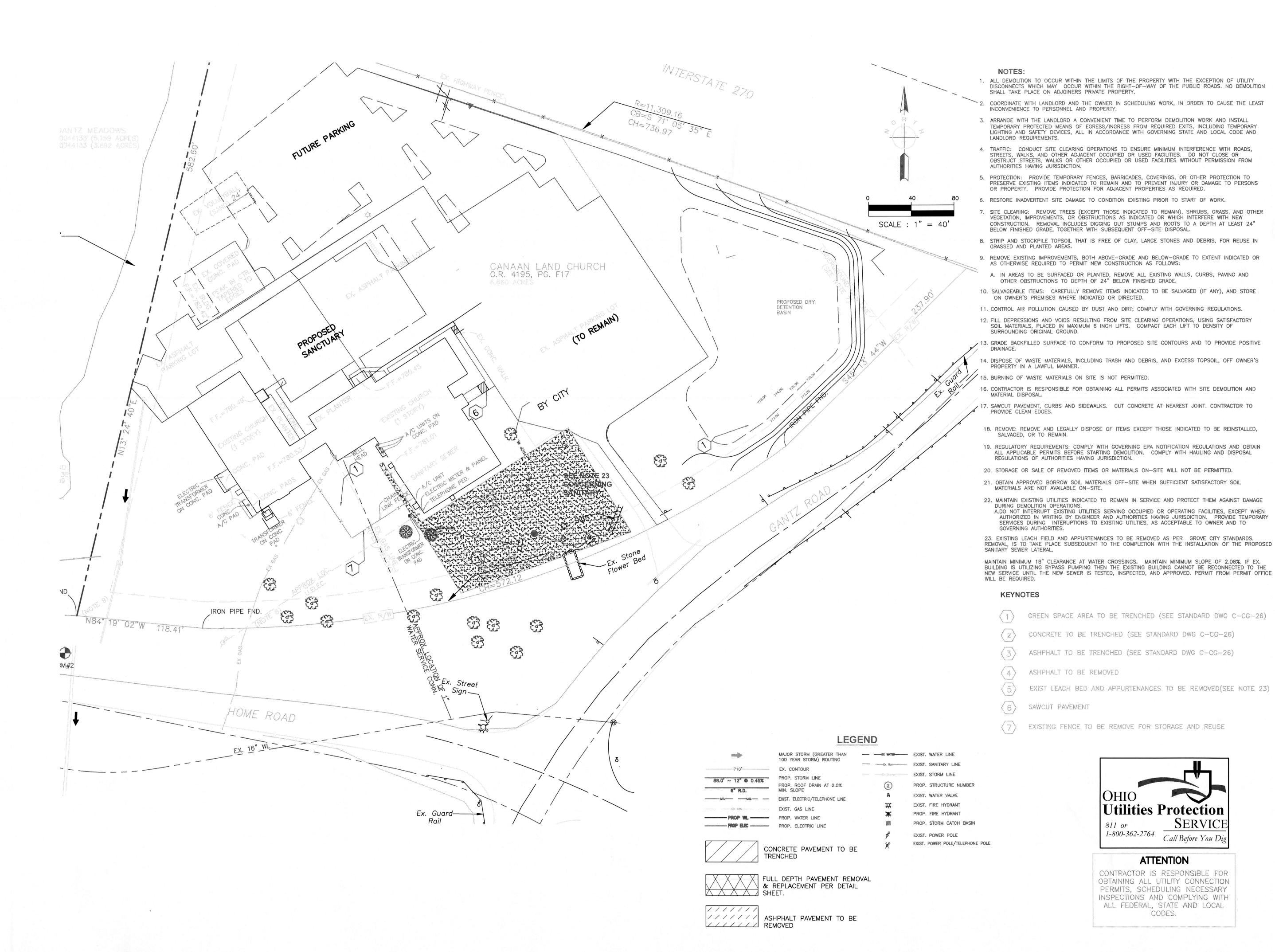
# Proposed Lighting Analysis

prepared by: Alec Vink



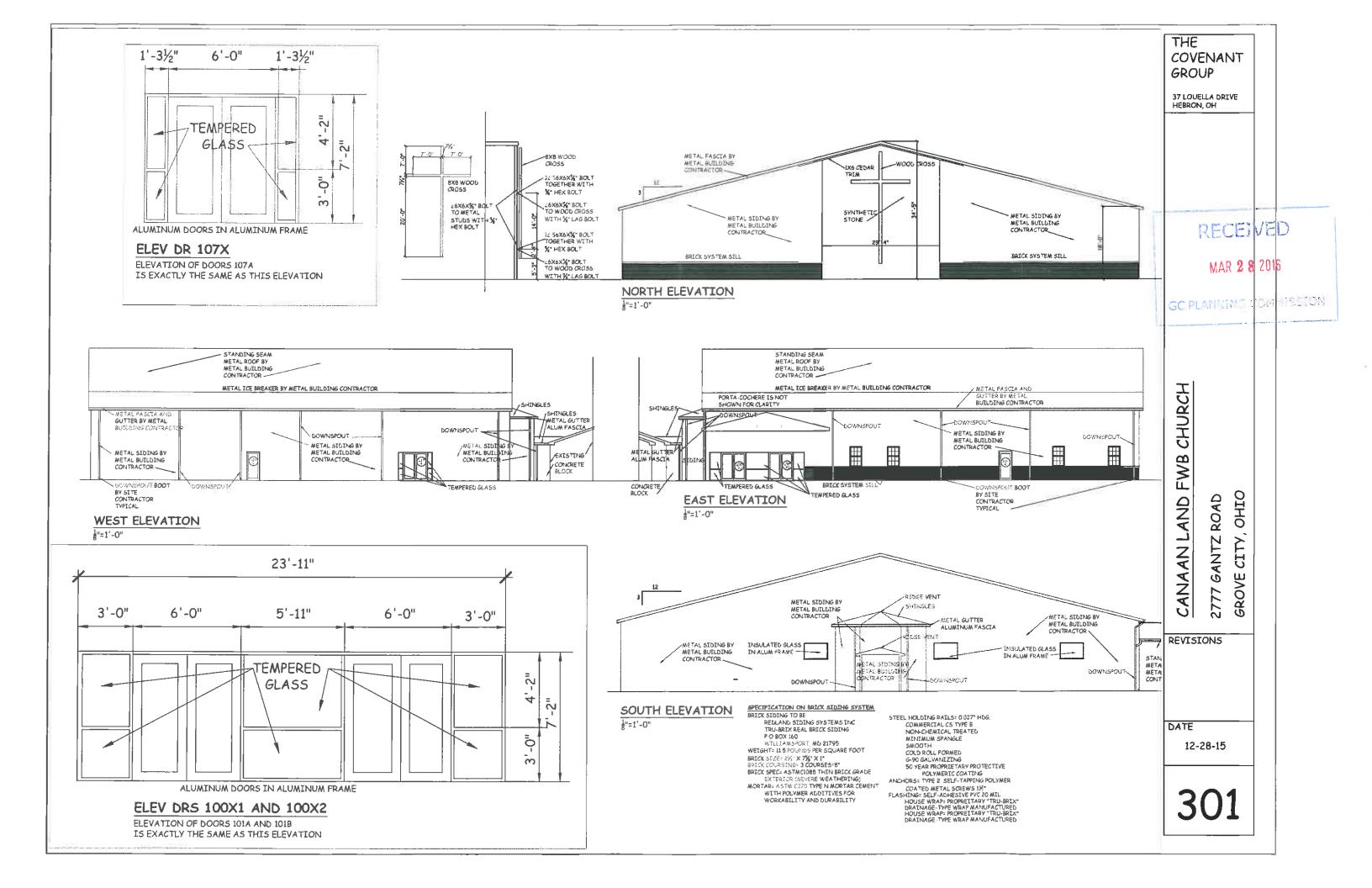
Lighting Systems of Columbus 8877 Whitney Drive Lewis Center, Ohio 43035 v. 614.876-6722 www.lightingsystemscol.com

project name lighting analysis.agi 000014



1"=40"

DEMOLITION PLAN



KNOW ALL MEN BY THESE PRESENTS, THAT GLENN J. DERIFIELD and ELOISE DERIFIELD, Husband and Wife, 37203

Frenklin grant

County, State of Ohio, for valuable consideration paid, with general warranty covenants to CANAAN LAND CHURCH, AN OHIO CORPORATION,

whose tax mailing address is 3362 Noveen Drive, Columbus, Chio 43220,

the following real property:

SEE EXHIBIT "A" ATTACHED

FRANKLIN COUNTY, OHIO

Reported: MAY 4 - 1984 Time: /025Am

PALMER C. McNEAL, Recorder

Recorder's Fee \$ 10,00

Parcel No. 160-666 - Gantz Road

031 A Subject to taxes and assessments which are now or may hereafter become liens on said premises and except conditions, restrictions and easements, if any, contained in former deeds of record for said premises, subject to all of which this conveyance is made

Prior Instrument Reference: Volume 3527. , Page 264 Grantors release all rights of dower therein.

WITNESS hand Sithis 2 42 day of

. 1984 .

Signed and Acknowledged in the Presence of:

STATE OF OHIO,

FRANKLIN

County, ss:

Before me, a Notary Public, in and for said County

personally appeared the above named Glenn J. Derifield and Eloise Derifield,

who acknowledged that they did sign the foregoing instrument and that the same is their free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my band and official seal, at Columbus, Ohio , this 2.10 day of

TRANSFERRED

MAY 0 4 1984

ROGER W. TRACY FRANKLIN COUNTY, OHIO

R. IT. O'BRIEN. Attorney at Law

MODERY PURILS STATE OF ONLO

#### EXHIBIT "A"

Situated in Virginia Military Survey No. 6839 in the Township of Jackson, County of Franklin, State of Ohio and being a portion of the 37.991 acre tract of land conveyed to Margaret C. Harter by deed of record in Deed Book 2222, page 141, Recorder's Office, Frankiin County, Ohio, said 37.991 acre tract also being a portion of Lot Number Four (4) of an smicable division of the farm lands of Zachariah Marsh, deceased, among his heirs, as the said lore is numbered and delineated upon the recorded plat thereof, of record in Plat Book 3, Page 424, Recorder's Office, Franklin County, Ohio, the tract herein to be conveyed being bounded and described as follows:

Beginning at an from pln at the intersection of a west line of said Harter tract with the north right-of-way line of Relocated Cantz Road, as shown upon Sheet 22 of 31 of Ohio Dept. of Highways right-of-way plans for FRA-270-6.095, said iron pin being N 13" 24' 40" E a distance of 93.22 feet from a point at the southwest corner of said Harter tract, and said iron pin also being in the east line of a tract of land conveyed to Marcus E. and Clara M. Schultz by deed of record in Deed Book 1245, page 127, Recorder's Office, Franklin County, Ohio;

Thence N 13° 24' 40" E along a portion of a west line of said Harter tract and along a portion of the east line of said Schultz tract a distance of 582.60 feet to an iron pin in the curved south limited access right-of-way line of Interstate Route 270, said iron pin being 150.00 feet right-of-centerline station 321+63.26 of Interstate Route 270, as shown upon Sheet 20 of 31 of said right-of-way plans;

thence easterly along the curved south limited access right-of-way line 0-36 A of Interstate Route 270 and with a curve to the right having a radius of 11,309.16 feet, a chord distance of 736.97 feet bearing S 71° 05' 35" E to an iron pin at the intersection of the curved south limited access right-of-way line of Interstate Route 270 with the northwest right-ofway line of Relocated Gantz Road, said iron pin being 150.00 feet right of centerline station 329+10.00 of Interstate Route 270;

thence S 45° 13' 44" W along the northwest right-of-way line of Relocated Cantz Road a distance of 237.90 feet to an iron pin located 65.00 feet 7. 4.84 left of centerline station 45+50.00.00 of Relocated Gantz Road;

thence southwesterly along the curved northwest right-of-way line of Rélocated Gantz Road and with a curve to the right having a radius of 889.93 feet, a chord distance of 572.12 feet bearing 5 72° 29' 41" W to an iron pin located 65.00 feet left of centerline station 39.+25.00 of Relocated Gantz Road;

thence N 84° 19' 02" W slong the north right-of-way line of Relocated Gantz Road a distance of 118.41 feet to the place of beginning;

Containing 6.660 acres of land more or less.

#### Dick Brush

From:

Buckley, Chad <cbuckley@cecinc.com>

Sent:

Tuesday, April 19, 2016 2:06 PM

To: Cc: Dick Brush Shawn Beauchamp

Subject:

RE: Easement for sanitary sewer.

Dick,

We are preparing to stake the sanitary service we are providing the church on our property. I have some questions regarding the slopes needed. A standard 2.08% slope will not provide enough cover on the service at the property line. Will a 0.5% slope be adequate for capacity?

Thanks,

#### Chad J. Buckley, P.E. / Project Manager

Civil & Environmental Consultants, Inc.

250 Old Wilson Bridge Road, Suite 250

Worthington, OH 43085

Toll-Free: (888) 598-6808 · Direct: (614) 468-6200 · Fax: (614) 540-6638

Mobile: (614) 282-1550 · http://www.cecinc.com

Senior Leadership · Integrated Services · Personal Business Relationships

From: Dick Brush [mailto:dbrush@brushcontractors.com]

Sent: Wednesday, December 16, 2015 8:24 AM

**To:** Buckley, Chad **Cc:** Shawn Beauchamp

Subject: RE: Easement for sanitary sewer.

Good morning Chad,

The sanitary service from Gantz Meadows Manhole to Canaan Land property line will be 8 inch.

It will enter a new Canaan Land manhole and reduce to a new 6 inch service line.

Thanks for your help,

Dick

Richard L. Brush Brush Contractors 6246 Corporate Center Drive Dublin, Ohio 43016 Chief Estimator 614 791-8500 Office 614 798-5859 Fax

From: Buckley, Chad [mailto:cbuckley@cecinc.com]

Sent: Friday, December 11, 2015 3:13 PM

To: Dick Brush < dbrush@brushcontractors.com>

Cc: 'Shawn Beauchamp' <shawnbeauchamp@gmail.com'>; 'Ed Conkel' <econkel@gmail.com'>

Subject: RE: Easement for sanitary sewer.

Dick,

Do you know what size sanitary service the church will be needing?

Thanks,

#### Chad J. Buckley, P.E. / Project Manager

Civil & Environmental Consultants, Inc.

250 Old Wilson Bridge Road, Suite 250

Worthington, OH 43085

Toll-Free: (888) 598-6808 · Direct: (614) 468-6200 · Fax: (614) 540-6638

Mobile: (614) 282-1550 · http://www.cecinc.com

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From: Dick Brush [mailto:dbrush@brushcontractors.com]

Sent: Tuesday, November 17, 2015 12:22 PM

To: Buckley, Chad

Cc: 'Shawn Beauchamp'; 'Ed Conkel'

Subject: FW: Easement for sanitary sewer.

Hi Chad,

This easement should work for us.

Thanks, Dick

Richard L. Brush
Brush Contractors
6246 Corporate Center Drive
Dublin, Ohio 43016
Chief Estimator
614 791-8500 Office
614 798-5859 Fax
-----Original Message-----

From: Buckley, Chad [mailto:cbuckley@cecinc.com]

Sent: Friday, November 13, 2015 4:28 PM

To: dbrush@brushcontractors.com

Cc: Joseph Thomas Jr (<a href="mailto:jthomasjr@villagecommunities.com">jthomasjr@villagecommunities.com</a>)

**Subject:** Easement for sanitary sewer.

Dick,

Attached is the drawing I have for the layout of the sanitary easement on the Village Communities property. Please let me know if this works for you or if you have any questions per our conversation.

Thanks.

#### Chad J. Buckley, P.E. / Project Manager

Civil & Environmental Consultants, Inc.

250 Old Wilson Bridge Road, Suite 250

Worthington, OH 43085

Toll-Free: (888) 598-6808 · Direct: (614) 468-6200 · Fax: (614) 540-6638

Mobile: (614) 282-1550 · http://www.cecinc.com

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#### Canaan Land FWB Church

#### 2777 Gantz Road

**Grove City, Ohio** 

### **Exterior Finishes**

Item	Color	<u>Manfacturer</u>
Brick	Shelby	Glen-Gery
Stone	Old Dominion	Heritage Stone
Metal Siding	Sandstone	Chief Buildings
Metal Roof	Charcoal Gray	Chief Buildings
Fascia	Charcoal Gray	Chief Buildings
Downspouts	Sandstone	Chief Buildings
Storefront	Solar Bronze	Kawneer
Clear Glass	Low E, Double glazed	